Index of Claims

| App | lica | tion/ | Con | trol | No. |
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|-----|------|-------|-----|------|-----|

10/683,928 Examiner

Mohamed Charioui

Applicant(s)/Patent under Reexamination

HUNTER, ROBERT R.
Art Unit

2857

| √ | Rejected | _ | (Through numeral) Cancelled |  | 1 | Non-Elected  | A | Appeal   |
|---|----------|---|-----------------------------|--|---|--------------|---|----------|
| = | Allowed  | + | Restricted                  |  |   | Interference | 0 | Objected |

| Cla         | aim      | Date   |          |   |  |              | Claim Date   |  |              |  |       |  |          | Γ        | Cla      | im       | Date     |          |          |          |          |          |          |  |          |                 |          |          |          |          |          |             |           |          |
|-------------|----------|--|----------|---|--|--------------|--------------|--|--------------|--|-------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|----------|-----------------|----------|----------|----------|----------|----------|-------------|-----------|----------|
|             |          |  |          | - |  |              |              |  | П            |  |       |  |          |          |          |          |          |          |          | Т        | T        | 7        | Г        | I  |          |                 |          |          |          |          |          | $\neg \top$ |           | $\Box$   |
| ল           | na       | 8  |          |   |  |              | 1            |  |              |  |       | ন্ত  | na       | li       |          |          | ı        |          |          |          |          |          |          | त्त  | na       |                 |          |          |          |          | - 1      |             |           | .        |
| Final       | Original | 9/23/05  |          |   |  |              | 1            |  | 1            |  |       | Final  | Original |          |          |          |          |          |          |          |          |          |          | Final  | Original | i               |          |          |          |          |          | . 1         |           | .        |
| -           | Ō        | 9  |          |   |  |              |              | ł  |              |  |       | _  | ō        |          |          |          |          | - 1      |          | - [      |          |          |          | -  | ō        | ١.              |          |          |          |          |          |             |           |          |
| 1           | 1        | =  | $\dashv$ |   | _  | ┢╾           | ⊢            | ┝  | ⊢            | $\vdash$   |       |  | E4       | Н        | $\dashv$ | -        |          | $\dashv$ | $\dashv$ | ᅪ        |          | -        | ⊩        | $\rightarrow$                                    | 404      | $\dashv$        | -        |          | -        | $\dashv$ | $\dashv$ | $\dashv$    | $\dashv$  | $\dashv$ |
| 1_2         |          | -  | $\dashv$ | _ | _  | ┝            | ├            | ┝  | ┝            | _  |       |  | 51       | -        |          | -        | -        | -        |          | +        |          | - ;;;    | ⊩        |  | 101      | $\dashv$        |          |          | $\dashv$ | -        | _        | $\dashv$    | $\dashv$  |          |
| 2           | 2        | =  |          |   |  | ļ            |              | <b>├</b>   | ╄-           | _  |       | <u> </u>   | 52       | -        | -        | 4        | 4        | _        | -        | 4        | $\dashv$ | 4        | -        |  | 102      |                 |          |          | _        |          |          | $\dashv$    | 4         |          |
| 3           | 3        | =  | $\dashv$ |   |  | <u> </u>     | <u> </u>     | ┡  | ⊢            | _  |       |  | 53       | Ш        |          |          | _        |          | _        | -        | _ _      | - :::    | L        |  | 103      | _               |          |          | -        | _        |          | $\dashv$    | _         |          |
| 4           | 4        | 트  |          |   |  | _            | <u> </u>     | <u> </u>   | ↓_           | _  |       |  | 54       |          |          | _        | 4        | _        | _        | 4        | _ _      | -        | L        |  | 104      |                 |          |          |          | _        |          | _           | 4         | $\dashv$ |
| 5           | 5        | =  |          |   | _  | _            | L_           | <u> </u>   | <u> </u>     | <u></u>  |       |  | 55       |          | $\Box$   | _        | _        |          | $\perp$  | $\perp$  | $\bot$   | _        | L        |  | 105      |                 |          |          |          | $\Box$   |          | _           | _         |          |
| 6           | 6        | =  |          |   |  | L            | <u>_</u>     |  | _            |  |       |  | 56       | Ш        | _        | _        |          | _        | _        | _        | $\perp$  | _        | L        |  | 106      |                 |          |          | $\perp$  |          |          |             |           |          |
| 7           | 7        | =  |          |   |  |              |              | Ŀ  |              |  |       |  | 57       |          |          |          |          |          |          |          |          | _ :::    | L        |  | 107      |                 |          |          |          |          |          |             | $\Box$    |          |
| 19          | 8        | =  |          |   |  | _            | L            |  |              |  |       |  | 58       | $\Box$   |          |          |          |          |          |          |          | _ ;;;    | L        |  | 108      |                 | i        |          |          |          |          |             |           |          |
| 20          | 9        | =  |          |   |  |              |              |  |              |  |       |  | 59       |          |          |          |          |          |          |          |          | _]:::    | L        |  | 109      |                 |          |          |          |          |          |             |           | ال       |
| 21          | 10       | =  |          |   |  |              |              |  |              |  |       |  | 60       |          |          |          |          |          |          | Т        | T        | 7:::     |          |  | 110      |                 |          |          |          |          |          | $\Box$      | П         | $\Box$   |
| 22          | 11       | =  |          |   |  |              | Г            |  |              |  |       |  | 61       |          | ī        | T        |          |          |          | $\neg$   |          | 7        | Г        |  | 111      |                 |          |          |          |          |          | $\neg$      | コ         | П        |
| 23          | 12       | =  |          |   |  |              |              |  |              |  |       |  | 62       | П        |          | $\neg$   |          | $\neg$   | $\neg$   | $\neg$   | $\neg$   | 7        | Г        | T  | 112      | $\Box$          |          |          |          |          | $\neg$   | $\neg$      | $\neg$    | $\neg$   |
| 24          | 13       | =.   |          |   |  | Π            | Π            | T  | Τ            | П  |       |  | 63       | П        | $\Box$   | 一        | 一        | $\neg$   | $\neg$   | 一        | _        | 7        |          | 一  | 113      |                 |          |          |          |          |          | $\dashv$    | $\neg$    | $\neg$   |
|             | 14       |  | $\neg$   |   |  | $\vdash$     |              | 1  |              | Т  |       |  | 64       | П        | $\dashv$ | 一        | $\neg$   | 一        | $\dashv$ | $\dashv$ | $\neg$   | 7111     | ۲        | $\neg$   | 114      | H               |          |          |          | $\neg$   |          | $\neg$      | $\dashv$  | $\neg$   |
|             | 15       |  | $\vdash$ | _ | $\vdash$   | $\vdash$     | $\vdash$     | 1  | $\vdash$     |  |       |  | 65       | H        | $\vdash$ | $\dashv$ |          | 一        | $\dashv$ | $\top$   | $\dashv$ | ۱!!!     | -        |  | 115      | $\vdash$        |          |          | $\dashv$ | $\neg$   |          | $\dashv$    | 一         | $\dashv$ |
| 8           | 16       | =  | $\neg$   |   | $\vdash$   | ┢            | $\vdash$     | $\vdash$   | ┰            |  |       |  | 66       |          |          | _        |          |          | $\dashv$ | 十        | $\dashv$ |          | ۲        |  | 116      | Н               |          |          |          | _        | $\neg$   |             | ヿ         | $\neg$   |
| 9           | 17       | =  | $\vdash$ |   | ┢  | $\vdash$     | $\vdash$     | t  | 1-           |  |       |  | 67       | Н        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | ۱        | ۲        | <del>·                                    </del> | 117      | H               | $\dashv$ |          | $\dashv$ | $\dashv$ | $\vdash$ | $\dashv$    | $\dashv$  | $\dashv$ |
| 10          | 18       | Ē  | -        |   | -  |              | 1-           | 1  | ┼            | 7  |       |  | 68       | Н        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | ۱        | 1        |  | 118      | $\vdash \vdash$ | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$    | $\dashv$  | $\dashv$ |
| 11          | 19       | =  | -        | _ | _  | ┢            | ├            | ├  | ╁            | ├  |       |  | 69       | Н        | -        | -        |          | -        | +        | +        | +        | ⊣᠁       | ⊩        |  | 119      | $\vdash$        |          |          |          |          |          | $\dashv$    | $\dashv$  | $\dashv$ |
| 12          | 20       | =  | $\dashv$ |   |  | ├            | ╁            | ⊢  | ├-           | -  |       |  | 70       | -        | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | +        | -        | ╁        | $\dashv$   | 120      | -               | -        | _        | -        | -        | -        | -           |           | -        |
| 13          |          |  | $\vdash$ |   | -  | ┝            | ├            | ⊢  | ⊢            | -  |       |  | 71       | Н        | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | +        | -        | -        | ⊩        |  | 120      | $\dashv$        | _        | $\vdash$ | $\dashv$ |          | -        | $\dashv$    | $\dashv$  | -1       |
|             | 21       | =  | $\dashv$ |   |  | ┢            | -            | ⊢  | ╀            |  |       | <u> </u>   |          | Н        | $\dashv$ |          |          |          | +        | -        | +        | -        | -        | -  | 121      | _               |          | _        | $\dashv$ | _        |          | $\dashv$    | $\dashv$  |          |
| 14          | 22       | =  | $\dashv$ |   | _  | ├            | ⊢            | ⊢  | ⊢            | <u> </u>   |       | <u> </u>   | 72       | -        | _        | $\dashv$ |          | -        | -        |          |          | - :::    | -        |  | 122      | -               | _        | <u> </u> | _        | _        |          |             |           | _        |
| 15          | 23       | 트  | -        |   |  | <u> </u>     | ├-           | ⊢  | ⊢            | -  |       |  | 73       |          | _        | -        |          |          | -        |          | 1        |          | -        |  | 123      | -               | _        | _        | _        | _        |          | $\dashv$    |           | _        |
| 25          | 24       | =  | -        |   | -  | <u> </u>     | ļ_           | ▙  | <b> </b>     |  |       | <u> </u>   | 74       |          | _        | -        |          | _        | 4        | 4        | _        | - :::    | L        |  | 124      |                 | -        |          | -        | _        | _        |             |           | Ш        |
| 26          | 25       | =  | Ш        |   | _  | _            | <u> </u>     | ┡  | <u> </u>     | _  |       |  | 75       | Ш        |          | _        | _        | $\Box$   | _        | 4        |          | 4        | L        |  | 125      | Ш               |          |          |          |          |          | $\dashv$    | _         | Ш        |
| 27          | 26       | =  | $\Box$   |   |  | <u> </u>     | <u> </u>     | _  | -            |  |       |  | 76       | Ш        |          | _        |          | _        | 4        | $\dashv$ | $\perp$  | 4        | L        |  | 126      |                 |          |          |          |          |          | $\dashv$    | _         | $\perp$  |
| 28          | 27       | =  |          |   |  | <u> </u>     | <u> </u>     | <u> </u>   | ļ            |  |       |  | 77       |          |          |          | _        | _        | _        | 4        |          | 4        | L        |  | 127      | Ш               |          |          |          |          |          | Ш           | _         | Ш        |
| 29          | 28       | =  |          |   |  |              | _            | _  |              |  |       | <u> </u>   | 78       |          |          | _        | _        |          | $\bot$   | 4        |          | <b>-</b> | L        |  | 128      |                 |          |          |          |          |          |             | _         | Ш        |
| 30          | 29       | Ξ  |          |   |  | <u>L</u>     |              | $oxed{oxed}$                                     |              |  |       |  | 79       |          |          | _        |          |          |          | $\perp$  |          | ╝        | L        |  | 129      | Ш               |          |          |          |          |          | $\square$   | $\Box$    |          |
| 31          | 30       | =  |          |   |  |              | _            |  |              |  |       |  | 80       |          |          |          |          |          |          |          | 丄        |          | L        |  | 130      |                 |          |          |          |          |          | $\Box$      |           | لـــٰــا |
| 32          | 31       | =  |          |   |  | L            |              | L  |              |  |       |  | 81       |          |          |          |          |          |          |          |          |          | L        |  | 131      |                 |          |          |          |          |          |             |           |          |
| 33          | 32       | =  |          |   |  |              |              |  |              |  |       |  | 82       |          |          |          |          |          |          |          |          |          | E        |  | 132      |                 |          |          |          |          |          |             |           |          |
| 16          | 33       | =  |          |   |  |              |              |  |              |  |       |  | 83       |          |          |          |          |          |          |          |          |          |          |  | 133      |                 |          |          |          |          |          |             |           |          |
| 17          | 34       | =  |          |   |  |              |              | $\Box$   |              |  |       |  | 84       |          |          |          |          |          |          |          |          |          | Γ        |  | 134      |                 |          |          |          |          |          | П           |           |          |
| 34          | 35       | =  |          |   |  |              |              | Γ  | Γ            |  |       |  | 85       |          |          |          |          |          | $\neg$   | $\top$   |          | 7        | Γ        |  | 135      |                 |          |          |          |          |          | $\Box$      |           |          |
| 35          | 36       | =  |          |   |  |              |              |  |              |  |       |  | 86       |          |          |          |          |          | 寸        | ┪        | $\neg$   | ٦        | 1        |  | 136      |                 |          |          |          |          |          | $\dashv$    | コ         | $\neg$   |
| 36          | 37       | =  |          |   |  |              | ı            | T  | T            |  |       |  | 87       | П        |          |          |          |          | 寸        | _        | $\neg$   | ۱        | ۲        |  | 137      | Н               |          |          | Н        |          |          | $\dashv$    | $\dashv$  | $\neg$   |
|             | 38       |  | $\dashv$ | _ |  |              |              | T  | Τ            | _  |       |  | 88       | $\vdash$ |          |          |          |          | +        | $\dashv$ | $\dashv$ | ۱        | ۲        |  | 138      |                 |          |          | $\vdash$ |          |          | $\neg$      | $\dashv$  | $\dashv$ |
|             | 39       | -  | $\vdash$ |   | _  | $\vdash$     |              | 1  | Ι-           |  |       |  | 89       | $\Box$   |          |          |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | 1        | 1        |  | 139      | Н               |          | _        | -        |          | -        | $\dashv$    |           | $\dashv$ |
| 18          | 40       | =  | $\vdash$ | - |  | 1            | 1            | †  | $\vdash$     | $\vdash$   |       |  | 90       | $\vdash$ | $\vdash$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | 十        |          | 1        | ۲        |  | 140      | H               |          |          | $\vdash$ | -        | $\vdash$ | $\neg$      | $\dashv$  | $\dashv$ |
| 37          |          | =  | H        | _ |  | H            | 1            | +-   | +-           | <del>                                     </del> |       | <u> </u>   | 91       | $\vdash$ | $\vdash$ | $\neg$   | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ | -        | ۲        |  | 141      | $\vdash$        |          | -        | $\vdash$ | -        | $\dashv$ | $\dashv$    | $\dashv$  | $\dashv$ |
| <del></del> | 42       | Ť  | -        | _ | <del>                                     </del> | $\vdash$     | $\vdash$     | <del>                                     </del> | $\vdash$     | -  |       |  | 92       | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | ┨║       | ۲        |  | 142      | $\vdash$        |          |          | $\vdash$ | $\dashv$ | $\vdash$ | $\dashv$    | $\dashv$  | $\dashv$ |
| -           | 43       | <del>                                     </del> | $\vdash$ | _ |  | $\vdash$     | $\vdash$     | +  | ╁            | <del> </del>                                     |       | <u> </u>   | 93       | $\vdash$ | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | -        | $\vdash$ |  | 143      | $\vdash$        | $\vdash$ | -        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$    | $\dashv$  | $\dashv$ |
| -           | 44       | $\vdash$   | $\vdash$ |   |  | $\vdash$     | $\vdash$     | $\vdash$   | -            | $\vdash$   |       | <del>                                     </del> | 94       | -        | -        | $\dashv$ | -        | $\dashv$ | $\dashv$ | +        | -        | -        | ⊩        | $\dashv$   | 144      | -               |          | -        |          | -        | $\vdash$ |             | $\dashv$  | $\dashv$ |
| <u> </u>    | 45       | $\vdash$   | $\vdash$ |   | -  | ┢╾           | ╁━           | ╁  | -            | -  |       |  | 95       | $\vdash$ | $\vdash$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | +        | +        | -        | -        |  | 145      | -               | -        | -        |          | -        | $\dashv$ |             | $\dashv$  | $\dashv$ |
| <u> </u>    | 46       | -  | $\dashv$ | - | <u> </u>   | <del> </del> | -            | +  | ├-           |  |       |  |          | $\vdash$ | $\vdash$ |          | -        | $\dashv$ | $\dashv$ | +        | +        | -        | -        |  |          | $\vdash$        | $\vdash$ | <u> </u> | $\dashv$ | -        | $\dashv$ |             | $\dashv$  | -        |
| <u> </u>    |          | -  | $\dashv$ |   | -  | -            | <del> </del> | ┼  | -            |  |       | <u> </u>   | 96       | Н        | $\vdash$ | -        | $\dashv$ | -        | $\dashv$ | -        | +        | - !!!    | 1        |  | 146      | $\vdash \vdash$ |          | <u> </u> | $\sqcup$ |          | $\vdash$ |             | <b></b> ∤ |          |
| <b></b>     | 47       | <u> </u>   |          |   | <u> </u>   |              | ⊢            | $\vdash$   |              | $\vdash$   |       |  | 97       | $\vdash$ |          | _        | _        |          | $\dashv$ | 4        | -        | -        | H        |  | 147      | Н               | Щ        |          | $\dashv$ |          | $\vdash$ | _           | $\dashv$  | _        |
| <u></u>     | 48       | <u> </u>   | $\vdash$ |   | _  | <u> </u>     | $\vdash$     | <u> </u>   |              | Щ  |       | <u> </u>   | 98       | $\vdash$ | $\Box$   | _        |          |          | _        | $\dashv$ | $\dashv$ | 4        | L        |  | 148      | $\sqcup$        | Ш        | _        | Ш        | _        | Щ        | ᆜ           | _         | $\perp$  |
|             | 49       | <u> </u>   |          | _ | _  | _            | _            | <b> </b> _                                       | <del> </del> | <u> </u>   |       | <u> </u>   | 99       | Ш        | Щ        | _        | ļ        | $\dashv$ | _        | 4        |          | 4        | L        |  | 149      |                 |          |          |          |          |          |             |           |          |
| L           | 50       | <u> </u>   |          |   |  | <u> </u>     | L            | L_   | ட            | $oxed{oxed}$                                     | ::::: |  | 100      | L i      |          |          |          |          | $\perp$  |          |          |          | ١L       |  | 150      |                 |          |          | لـــا    |          |          |             |           |          |